



Interior Regional Housing Authority

“A Step Towards Conservation for Interior Alaska Tribes”

Hughes, Huslia, Allakaket and Birch Creek

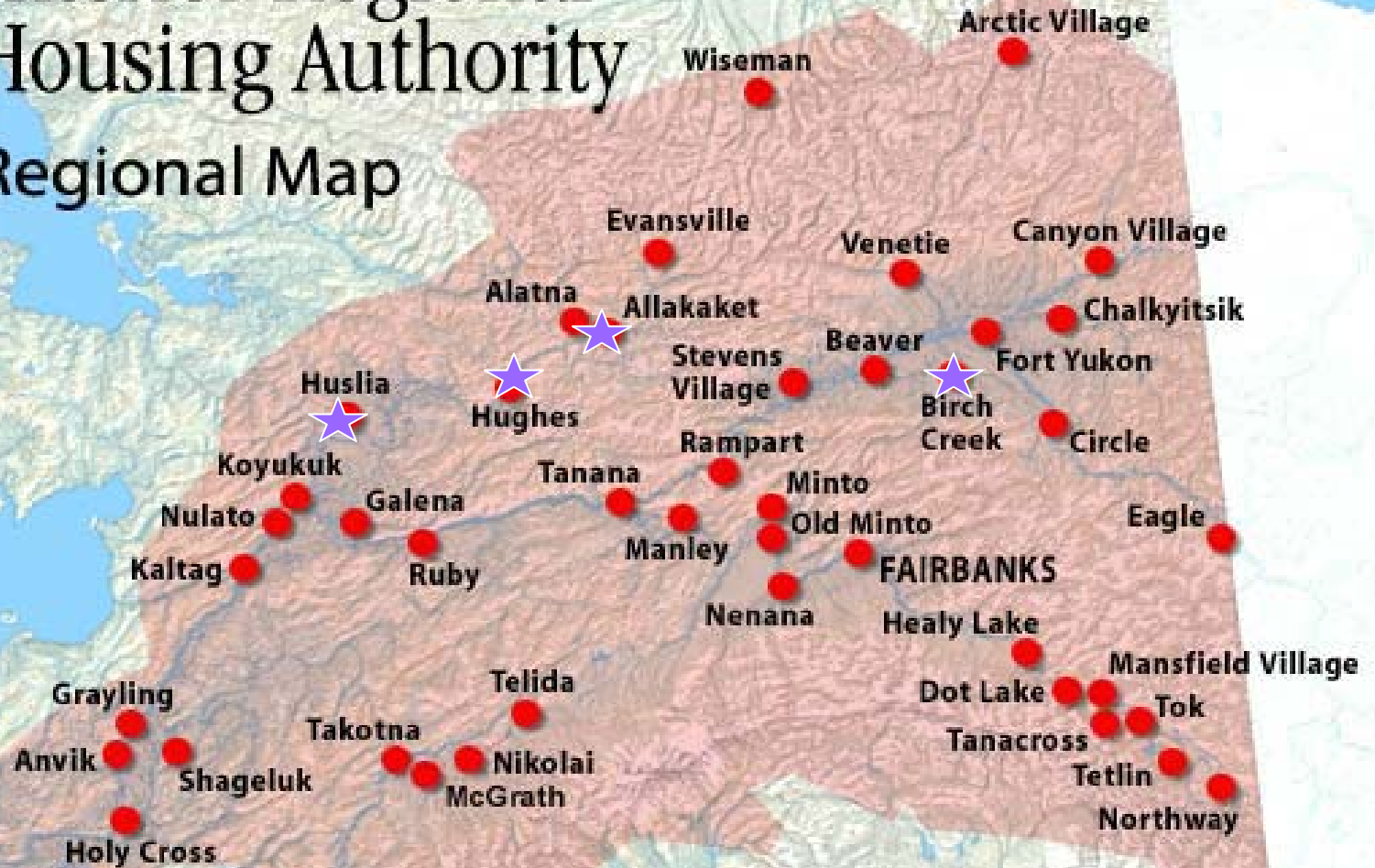
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Interior Regional Housing Authority Regional Map



 TCC REGION

IRHA is the Tribally Designated Housing Entity (TDHE) for 29 of the 34 tribes in the Tanana Chiefs/Doyon Region.

IRHA & Energy

- IRHA was created in 1974
- For 34 years IRHA built homes
- Over the past 5 years we have focused on critiquing the homes we build to be as energy efficient as possible
- Benefits to our home owners
- Community members were continuing to suffer from high energy costs (fixed costs).



Huslia Utility Costs (Per Month)

	Wood	Fuel Oil	Electricity	Propane	Total (Per Month)
IRHA Homes Built in 2005	\$115.00	\$225.00	\$103.00	\$ -	\$443.00
Old-IRHA Homes Built in 1998	\$172.00	\$427.50	\$103.00	\$25.00	\$727.50
Non-HUD Homes	\$230.00	\$427.50	\$262.20	\$25.00	\$944.70

Dual Generation

Having two or more generator sizes; one for smaller loads and one for larger loads.

Birch Creek:

50 kWh & 65 kWh

Hughes:

35 kWh & 75 kWh

Hughes



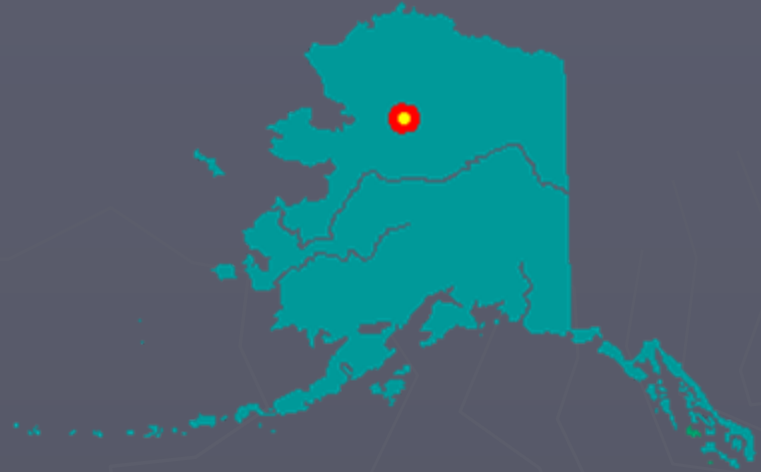
- ▶ Population: 78
- ▶ Land Area: 3.10 square miles
- ▶ Temperatures range from 70 above to -50
- ▶ KWH was 26.8 cents in June 07
(locally owned by city)
- ▶ Gas is \$6 per gallon
- ▶ Diesel is \$5.50

Huslia



- ▶ Population: 293
- ▶ Land Area 16.43 square miles
- ▶ Temperatures range from 70 above to -50
- ▶ KWH was 31.4 cents in June 07
(owned by AVEC and the City)
- ▶ Gas is \$5.50 per gallon

Allakaket



- ▶ Population: 97
- ▶ Land Area: 3.6 square miles
- ▶ Temperatures range from 70 above to -50
- ▶ KWH was 31.6 June 07
(provided by APC)
- ▶ Gas is \$6 per gallon

Birch Creek



- ▶ Population: 43
- ▶ Land Area: 6.1 square miles
- ▶ Temperatures range from 65 above to -60
- ▶ KWH is currently .60 cents
(owned by the village council)
- ▶ Birch Creek does not have a place to sell gas or heating fuel it is either barged in or flown in when needed.

The Plan

- Community wide assessment of:
 - Average monthly loads
 - Public Buildings
 - Homes
- Identify community energy weaknesses and strengths
- Develop future community energy goals and plans
- Explore and research alternative sources of energy
- Hire a local community member to gather and send us data
- Reducing energy through education
 - Community Workshops/presentations
 - Schools Presentations & hands on activities



Goals

- ▶ Reduce energy costs community wide
- ▶ Maximize the use of smaller boilers
- ▶ Create energy awareness community wide
- ▶ Develop a comprehensive energy plan for each community which will be presented to them by October 31, 2008

Questions?

